

**RADAR DATA ACQUISITION (RDA) 5V POWER
SUPPLY FUSE REPLACEMENT**

**DOPPLER METEOROLOGICAL RADAR
WSR-88D**



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COMMERCE, THE AIR FORCE, THE NAVY, AND TRANSPORTATION

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FAA APPROVAL:

_____ **Date** _____
George W. Terrell
Program Director for Operational Support

1. SUBJECT

Radar Data Acquisition (RDA) 5V Power Supply Fuse Replacement

2. PURPOSE

This modification authorizes the installation of the proper rated fuse in the RDA 5 Volt Power Supply, UD5/105PS4, and updating of technical instruction (TI) book TI 6460.1 at all sites. This document is issued as a result of an Operation Support Facility (OSF) Configuration Change Request (CCR) NA98-04802. The applicable revised pages were previously provided via NEXRAD tri-agency documentation distribution from the National Weather Service (NWS) National Logistics Supply Center (NLSC).

For additional information concerning this modification, contact the Operational Support Facility, FAA OSF Liaison, Norman, Oklahoma, phone number: (405) 366-6540, ext 3247.

3. SITES AFFECTED

All FAA WSR-88D Radar Data Acquisition (RDA), Radar Product Generator (RPG), and Principal User Processor (PUP) sites.

4. ESTIMATED COMPLETION DATE

The target completion date of this modification is 60 days after receipt of this document.

5. EQUIPMENT AFFECTED

RDA 5 Volt Power Supply, UD5/105PS4.

6. SPARES AFFECTED

None.

7. MODIFICATION ACCOMPLISHED BY

Organizational level personnel will accomplish this modification.

8. MATERIAL REQUIRED

Slo-Blo type ceramic (15 amp, 250 VAC) fuse, NSN 5920-00-177-2148, for each power supply and documentation updates.

9. SOURCE OF MATERIALS

The replacement fuse shall be a Slo-Blo type ceramic fuse, NSN 5920-00-177-2148, procured through local logistics. Documentation has been shipped by the Operational Support Facility (OSF) Logistics Section at no cost to the site.

10. SPECIAL TOOLS AND TEST EQUIPMENT REQUIRED

None.

11. TIME AND PERSONNEL REQUIRED

Not Applicable.

12. DOCUMENTS AFFECTED

- a. All revised instruction book pages have been distributed under separate cover from the NLSC and apply to all FAA WSR-88D RDA, RPG, and PUP sites. If changes have been incorporated, no action is required.
- b. The following is the list of instruction books and the changes that are to be incorporated into each document since the last update EEM 6460.2 Change 19, Chapter 19, dated 8/11/97:

PAGE CONTROL CHART

Document Title	Change No.	Date
Instruction Book TI 6460.1, Volume 1 (NWS EHB 6-500)	7	8/15/97
Instruction Book TI 6460.1, Volume 2 (NWS EHB 6-501)	Revised	9/15/97
Instruction Book TI 6460.1, Volume 4 (NWS EHB 6-503)	TP-1	2/20/98
Instruction Book TI 6460.1, Volume 7 (NWS EHB 6-510)	2 TP-2	8/15/97 12/15/97

FAA: EEM Modification Handbook 6345.1 CHG 3, Chap 4

PAGE CONTROL CHART (Continued)

Document Title	Change No.	Date
Instruction Book TI 6460.1, Volume 8 (NWS EHB 6-511)	6	7/1/96
	7	1/19/98
Instruction Book TI 6460.1, Volume 13 (NWS EHB 6-513)	1	8/15/97
	2	1/20/98
Instruction Book TI 6460.1, Volume 22 (NWS EHB 6-514)	2	8/15/97
	3	1/20/98
Instruction Book TI 6460.1, Volume 11 (NWS EHB 6-520)	2	3/20/98
Instruction Book TI 6460.1, Volume 12 (NWS EHB 6-521)	7	3/20/98
Instruction Book TI 6460.1, Volume 48 (NWS EHB 6-524)	New	8/1/97
Instruction Book TI 6460.1, Volume 15 (NWS EHB 6-530)	Revised	1/15/98
Instruction Book TI 6460.1, Volume 19 (NWS EHB 6-540)	3	3/20/98
Instruction Book TI 6460.1, Volume 20 (NWS EHB 6-550)	Revised	5/1/98
Instruction Book TI 6460.1, Volume 38 (NWS EHB 6-551-5)	1	11/1/97
Instruction Book TI 6460.1, Volume 41 (NWS EHB 6-551-8)	SS-1	11/1/97
Instruction Book TI 6460.1, Volume 25 (NWS EHB 6-552)	TP-3	8/1/97
	3	12/15/97
	4	2/27/98

13. VERIFICATION STATEMENT

None.

14. DISPOSITION OF REMOVED AND REPLACED PARTS/MATERIAL

Dispose of old fuse.

15. PROCEDURES

- a. Perform RDA Group Shutdown procedures as per FAA TI 6460.1 V7, Table 6-5.2, Step 1 through 5g and 16 through 21.
- b. At the rear of UD5/105PS4, replace the original fuse in the fuseholder with the properly rated fuse.
- c. Return the system to normal operation by performing all applicable steps of RDA Group procedures as per FAA 6460.1 V7, Table 6-5.3.

16. FAA DISTRIBUTION

This directive is distributed to selected offices and services within Washington headquarters, the William J. Hughes Technical Center, the Mike Monroney Aeronautical Center, regional Airway Facilities divisions, and Airway Facilities field offices having the following facilities/equipment: NXRAD.

17. CHANGES TO TABLE OF CONTENTS (FAA)

This chapter will be included in the next revision to the table of contents for FAA Order 6345.1, Electronic Equipment Modification Handbook - Next Generation Weather Radar (NEXRAD).

18. RECOMMENDATIONS FOR CHANGES (FAA)

Forward any recommendations for changes to this directive through normal channels to the National Airway Systems Engineering Division, AOS-200, Operational Support.

19. REPORTING INSTRUCTIONS

Enter this document number, date, and chapter number on the appropriate FAA Form 6032-1, Airway Facilities Modification Record.

Complete attachment 1 and mail, fax or e-mail information to:

- (1) Mail Address: System Support Branch, Logistics Section
 Operational Support Facility
 3200 Marshall Ave Suite 101
 Norman, Oklahoma 73072-8028
- (2) Fax Number: (405) 366-6553
 ATTN: Logistics Section
- (3) E-mail Address: logistics@osf.noaa.gov

APPENDIX 1. RDA 5V POWER SUPPLY FUSE REPLACEMENT

Site Name: _____

Site Identifier: _____

Total Time to Complete EEM Order 6345.1 CHG 3, Chap 4: _____

Document Poster's Name(s): _____

Document Poster's Phone Number: _____

Date Posting Completed: _____

Problem(s) Encountered: _____

Upon completion of form mail or fax to:

System Support Branch, FAA Liaison
WSR-88D Operational Support Facility
3200 Marshall Ave., Suite 101
Norman, Oklahoma 73072-8028

Fax number: (405) 366-6553

Or e-mail information to:

logistics@osf.noaa.gov